

**B1.1-R5 : MANAGEMENT FUNDAMENTALS AND INFORMATION SYSTEMS**

**NOTE :**

1. Answer question 1 and any FOUR questions from 2 to 7.
2. Parts of the same question should be answered together and in the same sequence.

**Total Time : 3 Hours**

**Total Marks : 100**

1. (a) What is information system ? Distinguish between a computer, a computer program and an information system. What is the difference between data and information ?  
(b) Differentiate between Open and Closed type of Information Systems.  
(c) What is Subsystem ? Explain it.  
(d) What are the characteristics of Enterprise Resource Planning ?  
(e) What are Marketing Information Systems ?  
(f) What are the principles of Information Security ?  
(g) State the challenges of managing information systems in today's business environment. (7x4)
2. (a) What is TPS ? Explain about the Components of Transaction Processing Cycle.  
(b) Discuss how Human Resource Management Information Systems can be helpful to the field of HRM. (9+9)
3. (a) Identify and describe the three levels of the organizational hierarchy. Which types of information systems serve each level ? Explain.  
(b) List and describe the information systems serving each of the major functional areas of a business. (9+9)
4. (a) Discuss the importance of security in IT infrastructure.  
(b) Elaborate the differences in top-down model and bottom-up model of Information Security. (9+9)
5. (a) Explain all the components of SWOT. List the common mistakes that must be avoided during SWOT analysis.  
(b) What are the challenges posed by the existence of various types of information systems in the enterprise ? How can these challenges be addressed ? (9+9)

6. (a) Mention the two perspectives on scaling of agile methods. Explain both methods in detail.
- (b) What are supply chain management systems ? How do they benefit business ? (9+9)
7. (a) Discuss in detail about Pitfalls in MIS development.
- (b) Explain software evaluation and hardware evaluation and selection process with the help of proper example. (9+9)

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